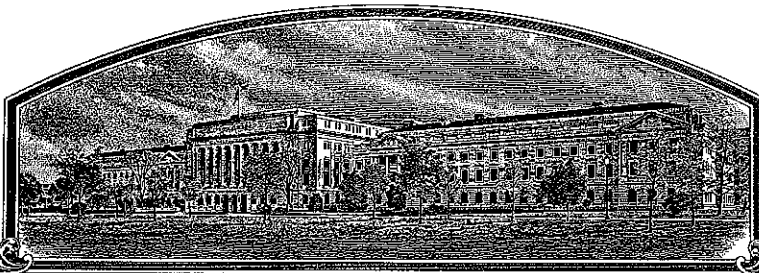


No.

200100019



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Seminis Vegetable Seeds, Inc.

Whereas, THERE HAS BEEN PRESENTED TO THE

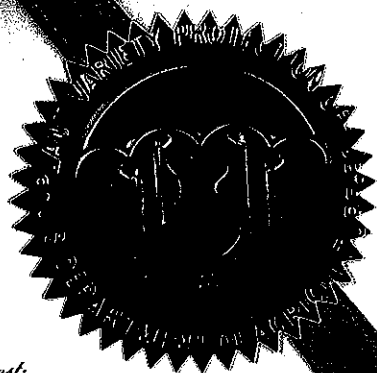
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSE, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

LETTUCE

'Gator'



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this ninth day of June, in the year two thousand and six.

Attest:

[Signature]

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

[Signature]
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
SCIENCE AND TECHNOLOGY - PLANT VARIETY PROTECTION OFFICEAPPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE
(Instructions and information collection burden statement on reverse)

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

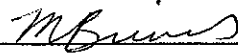
1. NAME OF OWNER Seminis Vegetable Seeds, Inc.		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NAME G X 637		3. VARIETY NAME Gator	
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) 2700 Camino del Sol Oxnard, CA 93030-7967		5. TELEPHONE (include area code) (805) 647-1572		FOR OFFICIAL USE ONLY PVPO NUMBER 200100019 FILING DATE October 26, 2000	
		6. FAX (include area code) (805) 918-2545			
7. IF THE OWNER NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) Corporation		8. IF INCORPORATED, GIVE STATE OF INCORPORATION California		9. DATE OF INCORPORATION 1962	
10. NAME AND ADDRESS OF OWNER REPRESENTATIVE(S) TO SERVE IN THIS APPLICATION. (First person listed will receive all papers) Marcel Bruins Seminis Vegetable Seeds, Inc. Nude 54D 6702 DN Wageningen The Netherlands				FILING AND EXAMINATION FEES: \$ 2705.00 DATE October 26, 2000 CERTIFICATION FEE: \$ 768.00 DATE 5/8/06	
11. TELEPHONE (include area code) 31 317 450218		12. FAX (include area code) 31 317450217		13. E-MAIL mb Bruins@svseeds.nl	
14. CROP KIND (Common Name) Lettuce		15. GENUS AND SPECIES NAME OF CROP Lactuca sativa		16. FAMILY NAME (Botanica) COMPOSITAE	
17. IS THE VARIETY A FIRST GENERATION HYBRID? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		18. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. <input checked="" type="checkbox"/> Exhibit A. Origin and Breeding History of the Variety b. <input checked="" type="checkbox"/> Exhibit B. Statement of Distinctness c. <input checked="" type="checkbox"/> Exhibit C. Objective Description of Variety d. <input type="checkbox"/> Exhibit D. Additional Description of the Variety (Optional) e. <input checked="" type="checkbox"/> Exhibit E. Statement of the Basis of the Owner's Ownership f. <input checked="" type="checkbox"/> Voucher Sample (2,500 viable untreated seeds or, for tuber propagated varieties, verification that tissue culture will be deposited and maintained in an approved public repository) g. <input checked="" type="checkbox"/> Filing and Examination Fee (\$2,450), made payable to "Treasurer of the United States" (Mail to the Plant Variety Protection Office)			
19. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE SOLD AS A CLASS OF CERTIFIED SEED? See Section 83(a) of the Plant Variety Protection Act <input type="checkbox"/> YES (If "yes", answer items 20 and 21 below) <input checked="" type="checkbox"/> NO (If "no," go to item 22)		20. DOES THE OWNER SPECIFY THAT SEED OF THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO			
21. IF "YES" TO ITEM 20, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED		22. HAS THE VARIETY (INCLUDING ANY HARVESTED MATERIAL) OR A HYBRID PRODUCED FROM THIS VARIETY BEEN SOLD, DISPOSED OF, TRANSFERRED, OR USED IN THE U. S. OR OTHER COUNTRIES? <input checked="" type="checkbox"/> YES US 10/26/99 <input type="checkbox"/> NO IF YES, YOU MUST PROVIDE THE DATE OF FIRST SALE, DISPOSITION, TRANSFER, OR USE FOR EACH COUNTRY AND THE CIRCUMSTANCES. (Please use space indicated on reverse.)			
23. IS THE VARIETY OR ANY COMPONENT OF THE VARIETY PROTECTED BY INTELLECTUAL PROPERTY RIGHT (PLANT BREEDER'S RIGHT OR PATENT)? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO IF YES, PLEASE GIVE COUNTRY, DATE OF FILING OR ISSUANCE AND ASSIGNED REFERENCE NUMBER. (Please use space indicated on reverse.)		24. The owners declare that a viable sample of basic seed of the variety will be furnished with application and will be replenished upon request in accordance with such regulations as may be applicable, or for a tuber propagated variety a tissue culture will be deposited in a public repository and maintained for the duration of the certificate. The undersigned owner(s) is(are) the owner of this sexually reproduced or tuber propagated plant variety, and believe(s) that the variety is new, distinct, uniform, and stable as required in Section 42, and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act. Owner(s) is(are) informed that false representation herein can jeopardize protection and result in penalties.			
SIGNATURE OF OWNER 		SIGNATURE OF OWNER			
NAME (Please print or type) Seminis Vegetable Seeds		NAME (Please print or type)			
CAPACITY OR TITLE Manager, Plant Variety Protection		DATE 10-25-00		CAPACITY OR TITLE	
				DATE	

Exhibit A

Origin and Breeding History

Gator originated from a hand pollinated cross made between El Toro & Montello. The cross was made in 1984 using El Toro as the female parent & Montello as the male parent.

The F1 was planted in the greenhouse, the progeny observed, the selfs removed and the seed was harvested in bulk. The F2, generation was planted in a corky root infected area in Bellegrade, Florida. The progeny observed and selections were made based on corky root resistance and heading ability as well as plant type. The selected plants were allowed to reproduce, seed was harvested and bulked.

The F3 population was planted in Florida in a corky root infected soil. The progenys were observed and selections were made based on Corky Root resistance, heading ability and plant type.

The selected plants were allowed to reproduce. Seed was harvested and planted in Florida in September 1989. The progeny from the #1 plant selected in the previous generation was observed and 13 selections were made based on the plant type, heading ability and Corky Root Resistance. The plants were allowed to reproduce and were planted in Florida in December 1990. The progenys were observed and 3 selections were made from the # 12 plant selected in the previous generation. The selected plants were allowed to reproduce and seed was harvested.

The seed was planted in October 1992 and the progenys observed. One selection was made from the #3 plant selected in the previous generation. The selection was made on plant type and heading ability. The selected plant was allowed to reproduce. Seed was harvested in the San Joaquin Valley of CA. In April 1993. The progeny was observed and it appeared uniform. Seed was harvested in bulk. The seed was planted in Florida in October 1993. The progeny was observed and appeared uniform. An extensive Trialing program was initiated.

Subsequent sexual reproductions were made in 1994, 1995, 1996, and 1997. In the above noted generations no-off types were noted. The variety is stable and uniform without any variants or off-types noted.

The breeding method employed was pedigree selection, using both single plant selection and mass selection practices. Gator differs from the female parent in its resistance to corky root rot disease. El Toro is susceptible and Gator is resistant. Gator differs from the male parent in being a vanguard type as opposed to Montello being a Great Lakes type.

Exhibit B
Statement of Distinctness
Lettuce variety, 'Gator'

'Gator' most closely resembles 'Raleigh' but differs in being a vanguard type as opposed to being an Eastern type.

The lettuce variety 'Gator' differs from the varieties 'Vanguard' and 'Moranguard' in several aspects:

- Region of adaptation: 'Gator' is grown in Florida whereas 'Vanguard' and 'Moranguard' are grown in Southern California and Western Arizona
- Soil requirements: 'Gator' is grown on organic soils whereas 'Vanguard' and 'Moranguard' are grown in mineral soils.
- Heat tolerance: 'Gator' is considered to be moderately bolting tolerant whereas 'Vanguard' and 'Moranguard' are considered to be moderately bolting susceptible.
- Plant size: 'Gator,' under normal conditions, forms a medium to large sized head whereas 'Vanguard' and 'Moranguard,' under normal conditions, form a large to very large sized head.
- Plant vigor: 'Gator' is considered to be a less vigorous variety so it can grow well in the mild Florida winters. Fields of 'Gator' can be seen growing next to sweet corn during the winter season in Florida. In contrast, 'Vanguard' and 'Moranguard' are considered to be vigorous varieties, in order to withstand winter freezes which frequently occur in the area of Southern California and Western Arizona. Field corn cannot be grown in those areas due to the freezing temperatures.
- Leaf margin: 'Gator' has more undulation than either 'Vanguard' or 'Moranguard.'

Exhibit B, Novelty Statement of cv. Gator

Replicated field trials were grown during the winter of 2004-2005 in the Belle Glade region of South Florida. Cv. Gator was compared with the most similar commercial cultivars, cvs. Raleigh, Moranguard, and Vanguard. The region of adaptation and the soil requirements of these varieties have already been stated in the prior correspondence. To further distinguish these varieties from each other, individuals were measured for plant diameter, leaf margin undulation, and number of days to 15 cm, characteristics which would easily aid in differentiating one from another (Table 1).

Cv. Raleigh is a Great Lakes type (mean undulation of 2.83 cm) while cvs. Gator, Moranguard, and Vanguard (1.38 cm, 1.03 cm and 0.923 cm, respectively) resemble the margin characterized by the Vanguard group of varieties. Cv. Gator could be further distinguished from cvs. Moranguard and Vanguard by measuring plant diameters (46.58 cm vs. 53.63 cm and 51.78 cm, respectively) and the number of days to 15 cm (72.5 days vs 63.3 days and 61.8 days, respectively).

The four varieties were found to be significantly different from each other by plant diameter and leaf margin undulation at the 95% confidence level. Cvs. Gator and Raleigh were significantly different from cvs. Moranguard, and Vanguard exhibiting a range of means for plant diameters from 46.33 to 46.82 for c.v. Gator, from 45.03 to 45.62 and for cv. Raleigh, from 53.33 to 53.92 for c.v. Moranguard and from 51.48 to 52.67 for c.v. Vanguard, while cv. Gator was significantly different from cvs. Moranguard and Vanguard and from cv. Raleigh for means of leaf margin undulation, from 1.31 to 1.44 for c.v. for Gator, from 0.96 to 1.09 for c.v. Moranguard, from 0.87 to 0.98 for c.v. Vanguard, and from 2.73 to 2.92 for Raleigh, using the 0.95 probability of generating confidence intervals (CI) that contains the means.

'Gator' was found to be significantly different from 'Raleigh' in that the seed color of 'Gator' is black, whereas the seed color of 'Raleigh' is white. Additionally, 'Gator' has moderate raised butt midrib, whereas 'Raleigh' has flat butt midrib.

Thus, cv. Gator was found to be significantly different than the most similar varieties.

Revised 10/17/05

Table 1. Evaluation of cv. Gator and the most similar cultivar, cvs. Raleigh, Moranguard, and Vanguard, for several important characters.

Trial No	Cultivar	Rep No.	Region of Adaptation ^a	Soil Requirements ^b	Plant Diameter ^c	Leaf Margin Undulation ^d	No. of Days to 15 cm ^e
Trial 1: Evaluated 6 January 2005 Belle Glade, FL	cv. Gator:	Rep. 1	S. Florida	Organic	47.5±1.0	1.4±0.3	72
		Rep. 2	S. Florida	Organic	48.6±1.1	1.3±0.3	71
		Average:	S. Florida	Organic	48.1±1.1	1.4±0.3	72
	cv. Raleigh:	Rep. 1	S. Florida	Organic	46.1±1.4	2.9±0.4	70
		Rep. 2	S. Florida	Organic	47.5±1.3	2.7±0.5	71
		Average:	S. Florida	Organic	46.8±1.4	2.8±0.5	71
	cv. Moranguard:	Rep. 1	S. Calif/Ariz	Mineral	53.7±1.3	1.0±0.3	63
		Rep. 2	S. Calif/Ariz	Mineral	55.5±1.4	1.1±0.2	62
		Average:	S. Calif/Ariz	Mineral	54.6±1.4	1.1±0.3	63
	cv. Vanguard:	Rep. 1	S. Calif/Ariz	Mineral	52.1±1.2	1.0±0.2	61
		Rep. 2	S. Calif/Ariz	Mineral	51.9±1.4	0.8±0.2	61
		Average:	S. Calif/Ariz	Mineral	52.0±1.3	0.9±0.2	61
Trial 2: Evaluated 21 March 2005 Belle Glade, FL	cv. Gator:	Rep. 1	S. Florida	Organic	45.8±1.1	1.3±0.2	74
		Rep. 2	S. Florida	Organic	44.4±1.2	1.5±0.3	73
		Average:	S. Florida	Organic	45.1±1.2	1.4±0.3	74
	cv. Raleigh:	Rep. 1	S. Florida	Organic	43.7±1.3	2.8±0.4	73
		Rep. 2	S. Florida	Organic	44.0±1.3	2.9±0.4	72
		Average:	S. Florida	Organic	43.9±1.3	2.9±0.4	73
	cv. Moranguard:	Rep. 1	S. Calif/Ariz	Mineral	53.0±1.4	1.0±0.3	64
		Rep. 2	S. Calif/Ariz	Mineral	52.6±1.2	1.0±0.3	64
		Average:	S. Calif/Ariz	Mineral	52.8±1.3	1.0±0.3	64
	cv. Vanguard:	Rep. 1	S. Calif/Ariz	Mineral	51.8±1.3	1.0±0.3	63
		Rep. 2	S. Calif/Ariz	Mineral	51.3±1.3	0.9±0.3	62
		Average:	S. Calif/Ariz	Mineral	51.6±1.3	1.0±0.3	63

Range of variation among means of statistically significant differences at the 95% level using the confidence interval [CI = mean ± (SDXSE)]:

cv. Gator	46.33 to 46.82	1.31 to 1.44
cv. Raleigh	45.03 to 45.62	2.73 to 2.92
cv. Moranguard	53.33 to 53.92	0.98 to 1.09
cv. Vanguard	51.48 to 52.67	0.87 to 0.96

^a Area of North America where the varieties are adapted and commercially grown.

^b Type of soil to which these varieties are adapted and commercially grown.

^c Mean plant diameter using two sowing dates of 20 plants per replication in centimeters ± standard deviation.

^d Mean vertical distance from the leaf surface (undulation) using two sowing dates of 20 plants per replication in centimeters ± standard deviation.

^e Mean number of days until stem reaches 15 cm using two replications of 20 plants each.

OBJECTIVE DESCRIPTION OF VARIETY
LETTUCE *Lactuca sativa*

NAME OF APPLICANT (S) ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)	FOR OFFICIAL USE ONLY PVPO NUMBER <div style="font-size: 1.5em; font-weight: bold;">200100019</div> VARIETY NAME EXPERIMENTAL DESIGNATION
--	--

Place numbers in the boxes for the characters which best describe this variety. Measured data should be the mean of an appropriate number (at least 10) of well spaced plants. Royal Horticultural Society or any recognized color standard may be used to determine plant colors.

The location of the test area is: Bellegarde Florida Color System Used: RHS Colour Chart

1. PLANT TYPE: (See list of suggested check varieties page 4.)

<div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">06</div>	01=Cutting/Leaf 02=Butterhead 03=Bibb 04=Cos or Romaine	05=Great Lakes Group 06=Vanguard Group 07=Imperial Group 08=Eastern (Ithaca) Group	09=Stem 10=Latin 11=OTHER
--	--	---	---------------------------------

2. SEED:

COLOR <div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">2</div> 1=White (Silver Gray) 2=Black (Gray Brown) 3=Brown (Amber)	LIGHT DORMANCY <div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">2</div> 1=Light Required 2=Light Not Required	HEAT DORMANCY <div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">1</div> 1=Susceptible 2=Not Susceptible
---	--	---

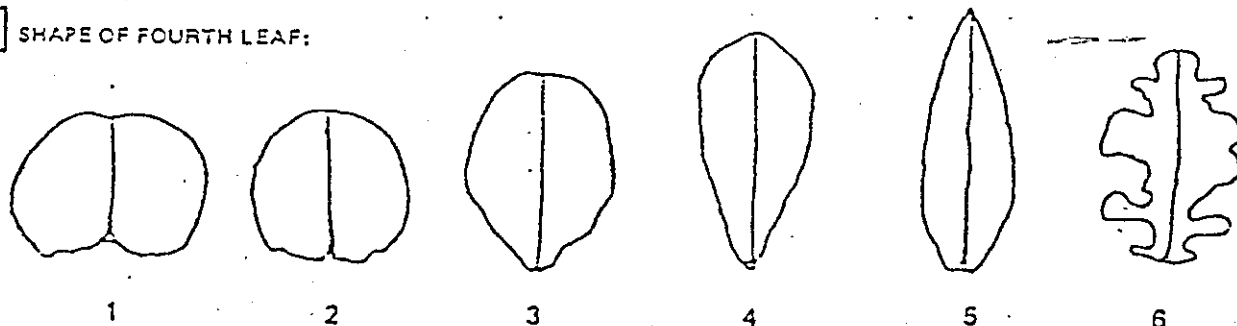
3. COTYLEDON TO FOURTH LEAF STAGE: NOTE: Provide a color photograph or photocopy of the fourth leaf from 20 day old seedling grown under optimal conditions.

2

 SHAPE OF COTYLEDONS: 1=Broad 2=Intermediate 3=Spatulate

3

 SHAPE OF FOURTH LEAF:



14

 LENGTH/WIDTH INDEX OF FOURTH LEAF: LW x 10

<div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">3</div> APICAL MARGIN: <div style="border: 1px solid black; padding: 2px; display: inline-block; font-weight: bold;">4</div> BASAL MARGIN:	<table style="width:100%;"> <tr> <td style="width:33%;"> 1=Entire 2=Crenate/Gnawed 3=Finely Dentate </td> <td style="width:33%;"> 4=Moderately Dentate 5=Coarsely Dentate 6=Incised </td> <td style="width:33%;"> 7=Lobed 8=OTHER (specify) </td> </tr> </table>	1=Entire 2=Crenate/Gnawed 3=Finely Dentate	4=Moderately Dentate 5=Coarsely Dentate 6=Incised	7=Lobed 8=OTHER (specify)
1=Entire 2=Crenate/Gnawed 3=Finely Dentate	4=Moderately Dentate 5=Coarsely Dentate 6=Incised	7=Lobed 8=OTHER (specify)		

2

 UNDULATION: 1=Flat 2=Slight 3=Medium 4=Marked

4

 GREEN COLOR: 1=Yellow Green 2=Light Green 3=Medium Green 4=Dark Green 5=Blue Green 6=Silver Green 7=Gray Green

ANTHOCYANIN:

1

 DISTRIBUTION: 1=Absent 2=Margin Only 3=Spotted 4=Throughout 5=OTHER (specify)

1

 CONCENTRATION: 1=Light 2=Moderate 3=Intense

1

 ROLLING: 1=Absent 2=Present

1

 CUPPING: 1=Uncupped 2=Slight 3=Markedly

1

 REFLEXING: 1=None 2=Apical Margin 3=Lateral Margins

4. MATURE LEAVES (observe harvest-mature outer leaves):

200100019

NOTE: Provide color photo of harvest-mature leaves which accurately shows color and margin characteristics.

MARGIN:

2	INCISION DEPTH: (deepest penetration of the margin)	1=Absent/Shallow (Dark Green Boston)	2=Moderate (Vanguard)	3=Deep (Great Lakes 659)
3	INDENTATION: (finest divisions of the margin)	1=Entire (Dark Green Boston)	2=Shallowly Dentate (Great Lakes 65)	3=Deeply Dentate (Great Lakes 659) 5=OTHER (specify) 4=Crenate (Vanguard)
2	UNDULATION OF THE APICAL MARGIN:	1=Absent/Slight (Dark Green Boston)	2=Moderate (Vanguard)	3=Strong (Great Lakes 65)
4	GREEN COLOR:	1=Very Light Green (Bibb)	3=Medium Green (Great Lakes)	5=Very Dark Green
		2=Light Green (Minero)	4=Dark Green (Vanguard)	6=OTHER
	ANTHOCYANIN (grown at or below 10 C):			
1	DISTRIBUTION:	1=Absent	3=Spotted (Calif. Cream Butter)	5=OTHER (specify)
		2=Margin Only (Big Boston)	4=Throughout (Prize Head)	
	CONCENTRATION:	1=Light (Iceberg)	2=Moderate (Prize Head)	3=Intense (Ruby)
2	SIZE:	1=Small	2=Medium	3=Large
1	GLOSSINESS:	1=Dull (Vanguard)	2=Moderate (Salinas)	3=Glossy (Great Lakes)
2	BLISTERING:	1=Absent/Slight (Salinas)	2=Moderate (Vanguard)	3=Strong (Prize Head)
2	LEAF THICKNESS:	1=Thin	2=Intermediate	3=Thick
2	TRICHOMES:	1=Absent (smooth)	2=Present (spiny)	

5. PLANT (at market stage. Choose a comparison variety appropriate for this type.):

48	SPREAD OF FRAME LEAVES:	cm This Variety	45 cm Raleigh	(specify comparison variety)
17	HEAD DIAMETER (market trimmed with single cap leaf):	cm This Variety	115 cm Raleigh	(specify comparison variety)
2	HEAD SHAPE:	1=Flattened	3=Spherical	5=Non-Heading
		2=Slightly Flattened	4=Elongate	6=OTHER
3	HEAD SIZE CLASS:	1=Small	2=Medium	3=Large
24	HEAD COUNT PER CARTON			
754	HEAD WEIGHT:	g This Variety	729 g Raleigh	(specify comparison variety)
3	HEAD FIRMNESS:	1=Loose	3=Firm	
		2=Moderate	4=Very Firm	

6. BUTT (bottom of market-trimmed head):

1	SHAPE:	1=Slightly Concave	2=Flat	3=Rounded
2	MIDRIB:	1=Flattened (Salinas)	2=Moderately Raised	3=Prominently Raised (Great Lakes 65)

7. CORE (stem of market-trimmed head):

34	mm Diameter at base of head		
49	Ratio of head diameter/core diameter		
41	Core height from base of head to apex:		
	mm This Variety	39 mm Raleigh	(specify comparison variety)

8. BOLTING (Give First Water Date 4-12-99):

NOTE: First Water Date is the date seed first receives adequate moisture to germinate. This can and often does equal the planting date.

82	Number of days from First Water Date to seed stalk emergence (summer conditions):			
	This Variety	82 Raleigh	(specify comparison variety)	
2	BOLTING CLASS:	1=Very Slow	3=Medium	5=Very Rapid
		2=Slow	4=Rapid	
56	Height of mature seed stalk:			
	cm This Variety	46 cm South Bay	(specify comparison variety)	

8. BOLTING cont'd.

200100019

Spread of Bolter Plant (at widest point):

☒ 29

cm This Variety

☒ 26cm South Bay

(specify comparison variety)

☒ 2

BOLTER LEAVES:

1=Straight

2=Curved

☒ 2

MARGIN:

1=Entire

2=Dentate

☒ 2

COLOR:

1=Light Green

2=Medium Green

3=Dark Green

BOLTER HABIT:

☒ 2

TERMINAL INFLORESCENCE:

1=Absent

2=Present

☒ 2LATERAL SHOOTS:
(above head)

1=Absent

2=Present

☐ 1

BASAL SIDE SHOOTS: 1=Absent

2=Present

9. MATURITY (earliness of harvest-mature head formation):

NOTE: Complete this section for at least one season.

SEASON	Applic. <input checked="" type="checkbox"/> # of days	Check <input checked="" type="checkbox"/> # of days	CHECK VARIETY <input checked="" type="checkbox"/>
Spring	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 60	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 59	<u>Raleigh</u>
Summer	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Fall	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 60	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 59	<u>Raleigh</u>
Winter	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 72	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 70	<u>Raleigh</u>

Give planting date(s), and location(s):

Spring

2-10-97Belle Glade Florida

Summer

Fall

10-3-96Belle Glade Florida

Winter

12-3-96Belle Glade Florida☒ First water date to harvest.☒ Fill in check variety name on the appropriate line.

10. ADAPTATION:

PRIMARY REGIONS OF ADAPTION (tested and proven adapted):

(0=Not tested

1=Not Adapted

2=Adapted)

☐ 1

Southwest (Calif., Ariz. desert)

☐ 1

West Coast

☐ 1

Northeast

☐ 0

Northcentral

☒ 2

Southeast

☐

OTHER

SEASON:

☒ 2

Spring (area

Southeast)☒ 2

Fall (area

Southeast)☐ 1

Summer (area

☒ 2

Winter (area

Southeast)☐ 0

GREENHOUSE:

0=Not tested

1=Not Adapted

2=Adapted

☒ 2

SOIL TYPE:

1=Mineral

2=Organic

3=Both

11. DISEASES AND STRESS REACTIONS (0=Not tested; 1=Susceptible; 2=Intermediate; 3=Resistant; 4=Highly resistant; 5=Tolerant):

VIRUS

- ☐ Big Vein
☐ Lettuce Mosaic
☐ Cucumber Mosaic
☐ Broad Bean Wilt
☐ Turnip Mosaic
☐ Beet Western Yellows
☐ Lett. Infectious Yellows
☐ Other Virus _____

FUNGAL/BACTERIAL

- ☐ 4 Corky Root Rot (Pythium Root Rot)
☐ 1 Downy Mildew (Races _____)
☐ 1 Powdery Mildew
☐ 0 Sclerotinia Rot
☐ 0 Bacterial Soft Rot (Pseudomonas spp. & others)
☐ 0 Botrytis (Gray Mold)
☐ OTHER _____

INSECTS

- ☐ Cabbage Loopers
☐ Root Aphids
☐ Green Peach Aphid
☐ Other Insect _____

PHYSIOLOGICAL/STRESS

- ☐ 5 Tipburn
☐ 3 Heat
☐ 0 Drought
☐ 1 Cold
☐ Salt
☐ 0 Brown Rib (Rib Discoloration, Rib Blight)
☐ OTHER _____

POST HARVEST

- ☐ 2 Pink Rib
☐ 0 Russet Spotting
☐ 0 Rusty Brown Discoloration
☐ 2 Internal Rib Necrosis (Blackheart, Gray Rib, Gray Streak)
☐ 0 Brown Stain

12. BIOCHEMICAL OR ELECTROPHORETIC MARKERS:

13. COMMENTS:

SUGGESTED CHECK VARIETIES

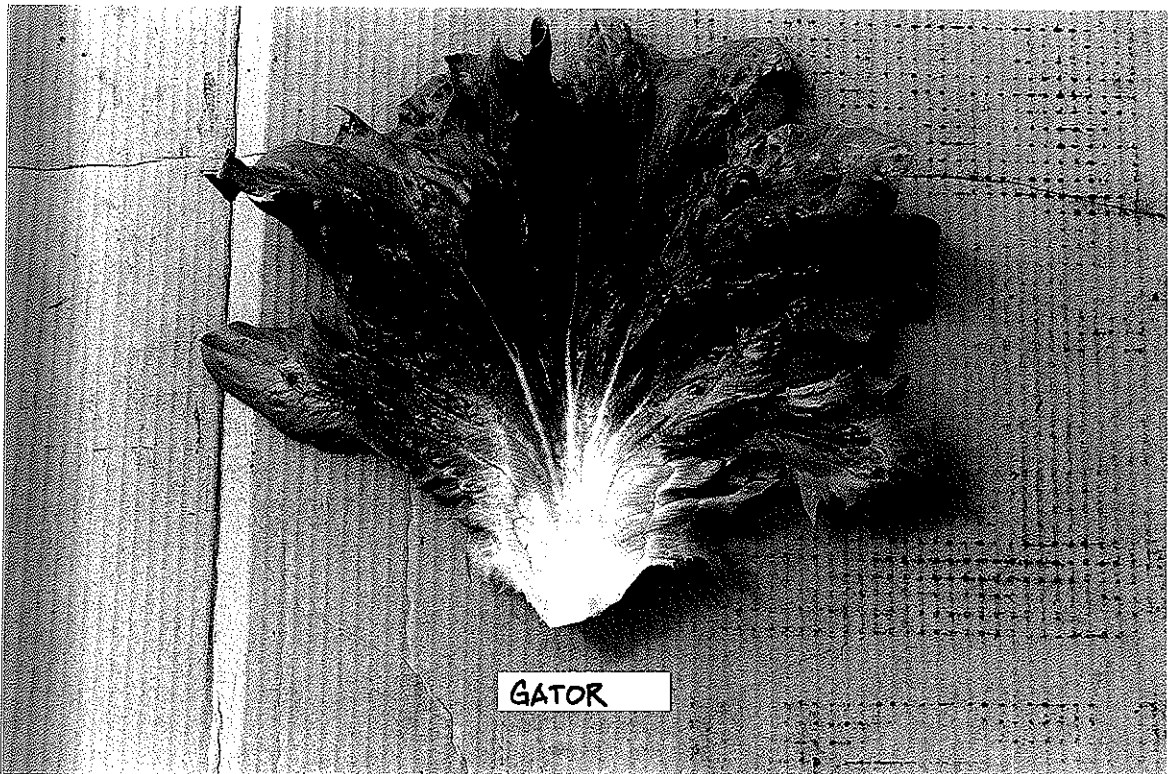
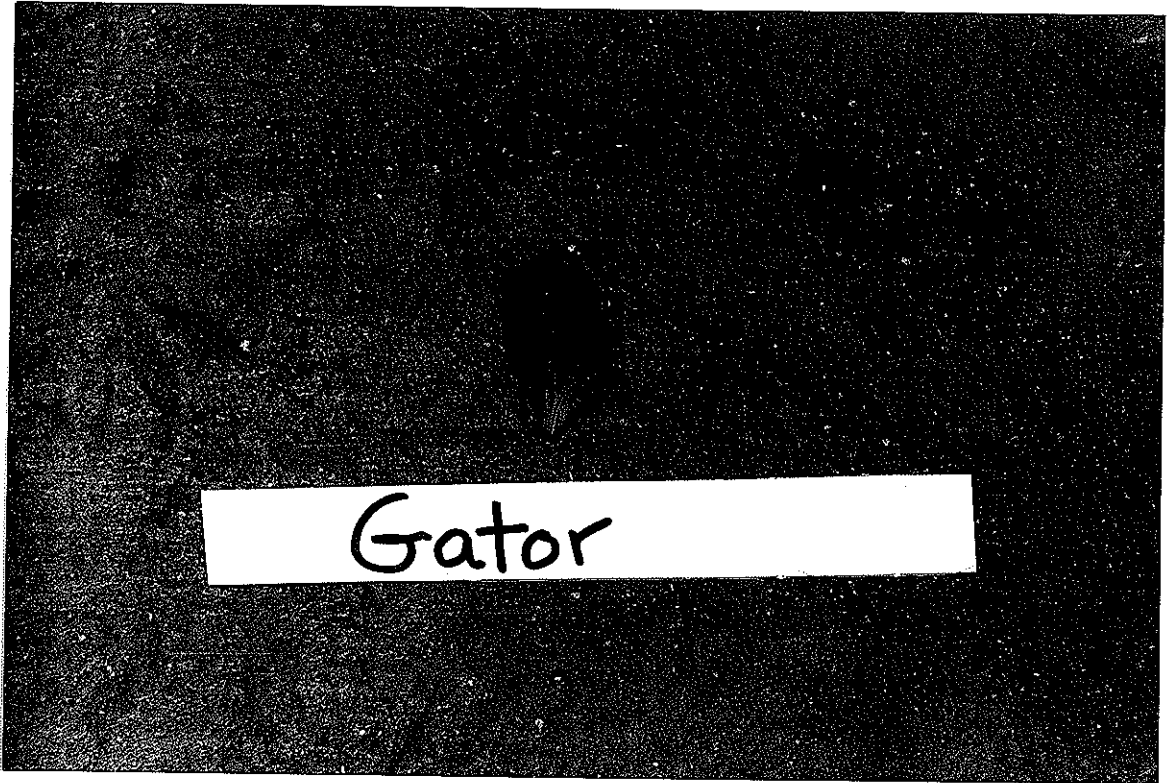
TYPE

- 1) CUTTING/LEAF
- 2) BUTTERHEAD
- 3) BIBB
- 4) COS, OR ROMAINE
- 5) GREAT LAKES GROUP
- 6) VANGUARD GROUP
- 7) IMPERIAL GROUP
- 8) EASTERN GROUP
- 9) STEM
- 10) LATIN

CHECK VARIETY

SALAD BOWL
 DARK GREEN BOSTON
 BIBB
 PARRIS ISLAND
 GREAT LAKES 659-700
 VANGUARD
 VIVA
 ITHACA
 CELTUCE
 MATCHLESS

100100019



U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

EXHIBIT E
STATEMENT OF THE BASIS OF OWNERSHIP

The following statements are made in accordance with the Privacy Act of 1974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2426).

1. NAME OF APPLICANT(S) Seminis Vegetable Seeds, Inc.	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER GX637	3. VARIETY NAME Gator
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP, and Country) 2700 Camino del Sol Oxnard, CA 93030-7967	5. TELEPHONE (include area code) (805) 647-1572	6. FAX (include area code) (805) 918-2545
7. PVPO NUMBER 200100019		
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate block. If no, please explain. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

9. Is the applicant (individual or company) a U.S. national or U.S. based company? If no, give name of country <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
10. Is the applicant the original owner? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, please answer one of the following:	
a. If original rights to variety were owned by individual(s), is (are) the original owner(s) a U.S. national(s)? <input type="checkbox"/> YES <input type="checkbox"/> NO If no, give name of country	
b. If original rights to variety were owned by a company(ies), is(are) the original owner(s) a U.S. based company? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no, give name of country	
11. Additional explanation on ownership (if needed, use reverse for extra space):	

PLEASE NOTE:

Plant variety protection can be afforded only to owners (not licensees) who meet one of the following criteria:

1. If the rights to the variety are owned by the original breeder, that person must be a U.S. national, national of a UPOV member country, or national of a country which affords similar protection to nationals of the U.S. for the same genus and species.
2. If the rights to the variety are owned by the company which employed the original breeder(s), the company must be U.S. based, owned by nationals of a UPOV member country, or owned by nationals of a country which affords similar protection to nationals of the U.S. for the same genus and species.
3. If the applicant is an owner who is not the original owner, both the original owner and the applicant must meet one of the above criteria.

The original breeder/owner may be the individual or company who directed final breeding. See Section 41(a)(2) of the Plant Variety Protection Act for definition.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0581-0055. The time required to complete this information collection is estimated to average 10 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, and marital or familial status. (Not all prohibited bases apply to all programs). Persons with disabilities who require alternative means for communication of program information (braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, D.C. 20250, or call 1-800-245-6340 (voice) or (202) 720-1127 (TDD). USDA is an equal employment opportunity employer.

STD-470-E (07-97) (Destroy previous editions).

Electronic version designed using WordPerfect InForms by USDA-AMS-IMB.